

1 **ABSTRACT OF THE DISCLOSURE**

2 A furnace residue washing method includes collecting residue from a furnace,
3 cooling the residue by water and screening the residue by different dimension scales,
4 separating the screened residue by different iron contents, separating and depositing
5 sand from the cooling water, crushing the screened residue of large dimension scale,
6 separating the screened residue of large dimension scale by different iron contents and
7 recollecting separately the separated and screened residue of large dimension scale.